Dectors u and v given by the below formula hpl = Ux Vl (Given asper statement) En Rl = E UR Ul (Adding summation Rl sides $EEh_{Rl} = EEU_{R}U_{l}$ (2. Summations can be computed as independing Summations) E & h Rl - E & UR Ve (because order of summation R l R Cartechanged EUR = EUL = 1; des $\frac{\sum \{h_{R}l = \sum 1.V_{\ell}\}}{R}$ => E E hal = 1.1 = 1